

WHAT IS CLAIMED IS:

1. A snowmobile four-cycle engine arrangement, comprising:
 - a four-cycle engine arranged in an engine compartment formed in the front body of a snowmobile with its crankshaft laid substantially parallel to the body width and having a cylinder portion inclined forwards with respect to the vehicle's direction of travel, the engine employing a dry sump oil supplying system; and
 - an oil tank provided in the engine compartment, separately from the engine.
2. The snowmobile four-cycle engine arrangement according to Claim 1, wherein the oil tank is arranged in front of the engine and on the top of a front suspension housing which is projected upwards from the bottom of the engine compartment.
3. The snowmobile four-cycle engine arrangement according to Claim 1, wherein the oil tank is arranged in the rear of the engine and on the upper face of a track housing which is projected upwards from the bottom of the engine compartment.
4. The snowmobile four-cycle engine arrangement according to Claim 2, wherein the oil tank is arranged in the rear of the engine and on the upper face of a track housing which is projected upwards from the bottom of the engine compartment.

5. The snowmobile four-cycle engine arrangement according to Claim 1, wherein the engine compartment has an opening port with a mating openable and closable lid element, at its
5 bottom for creating communication between the inside of the engine compartment and the external space, at a position opposing the bottom of the oil pan of the engine.

10. The snowmobile four-cycle engine arrangement according to Claim 2, wherein the engine compartment has an opening port with a mating openable and closable lid element, at its
10 bottom for creating communication between the inside of the engine compartment and the external space, at a position opposing the bottom of the oil pan of the engine.

15. The snowmobile four-cycle engine arrangement according to Claim 3, wherein the engine compartment has an opening port with a mating openable and closable lid element, at its
15 bottom for creating communication between the inside of the engine compartment and the external space, at a position opposing the bottom of the oil pan of the engine.

20. The snowmobile four-cycle engine arrangement according to Claim 4, wherein the engine compartment has an opening port with a mating openable and closable lid element, at its
20 bottom for creating communication between the inside of the engine compartment and the external space, at a position opposing the bottom of the oil pan of the engine.

25. The snowmobile four-cycle engine arrangement according to Claim 5, wherein the engine compartment has an opening port with a mating openable and closable lid element, at its

bottom for creating communication between the inside of the engine compartment and the external space, at a position opposing the bottom of the oil pan of the engine.

5 9. A snowmobile four-cycle engine arrangement, comprising:
a four-cycle engine having a cylinder head on the top thereof and arranged in an engine compartment formed in the front body of a snowmobile with its crankshaft laid substantially parallel to the body width and its engine body inclined forwards with respect to the vehicle's direction of travel; and

10 an intake path on the upper face of the engine body, characterized in that a heat exchanger for cooling the engine cooling water, engine oil or air to be supplied to the engine is arranged in the tunnel created inside the body frame for 15 accommodating a track for driving.

10 10. The snowmobile four-cycle engine arrangement according to Claim 9, wherein the heat exchanger is disposed in front 20 of the track, with respect to the vehicle's direction of travel, inside the tunnel.

25 11. The snowmobile four-cycle engine arrangement according to Claim 9, wherein an intercooler for cooling the air to be supplied to the engine is put into use as the heat exchanger.

12. The snowmobile four-cycle engine arrangement according to Claim 10, wherein an intercooler for cooling the air to be supplied to the engine is put into use as the heat exchanger.

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13. The snowmobile four-cycle engine arrangement according to Claim 9, wherein an oil cooler for cooling the engine oil is put into use as the heat exchanger.

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14. The snowmobile four-cycle engine arrangement according to Claim 10, wherein an oil cooler for cooling the engine oil is put into use as the heat exchanger.

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15. The snowmobile four-cycle engine arrangement according to Claim 9, wherein a radiator for cooling the engine cooling water is put into use as the heat exchanger.

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16. The snowmobile four-cycle engine arrangement according to Claim 10, wherein a radiator for cooling the engine cooling water is put into use as the heat exchanger.

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17. The snowmobile four-cycle engine arrangement according to Claim 9, wherein an integrated configuration comprised of an oil cooler for cooling the engine oil and a radiator for cooling the engine cooling water is put into use as the

heat exchanger.

18. The snowmobile four-cycle engine arrangement according to Claim 10, wherein an integrated configuration comprised of an oil cooler for cooling the engine oil and a radiator for cooling the engine cooling water is put into use as the heat exchanger.
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19. The snowmobile four-cycle engine arrangement according to Claim 13, wherein a thermostat is interposed in the oil path of the oil cooler.
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20. The snowmobile four-cycle engine arrangement according to Claim 14, wherein a thermostat is interposed in the oil path of the oil cooler.
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21. The snowmobile four-cycle engine arrangement according to Claim 17, wherein a thermostat is interposed in the oil path of the oil cooler.
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22. The snowmobile four-cycle engine arrangement according to Claim 18, wherein a thermostat is interposed in the oil path of the oil cooler.